

AMENDMENTS TO THE CLAIMS

1-9. Canceled

10. (Currently amended) An isolated, recombinant geranyl diphosphate synthase large subunit protein encoded by a nucleic acid molecule that hybridizes to the complement of a nucleic acid molecule consisting of the nucleic acid sequence set forth in SEQ ID NO:1 under conditions of 5 X SSC at 65°C for 16 hours followed by one wash in 1 X SSC at 55°C for 30 minutes.

11-16. Canceled

17. (Currently amended) An isolated, recombinant, ~~*Mentha piperita*~~ geranyl diphosphate synthase large subunit protein of Claim 10 consisting of the amino acid sequence set forth in SEQ ID NO:2.

18. (Currently amended) An isolated, recombinant geranyl diphosphate synthase protein comprising an isolated, recombinant geranyl diphosphate synthase large subunit protein and an isolated, recombinant geranyl diphosphate synthase small subunit protein, wherein:

(a) the isolated, recombinant geranyl diphosphate synthase large subunit protein is encoded by a nucleic acid molecule that hybridizes to the complement of a nucleic acid molecule consisting of the nucleic acid sequence set forth in SEQ ID NO:1 under conditions of 5 X SSC at 65°C for 16 hours followed by one wash in 1 X SSC at 55°C for 30 minutes; and

(b) the isolated, recombinant geranyl diphosphate synthase small subunit protein is encoded by a nucleic acid molecule that hybridizes to the complement of a nucleic acid molecule consisting of the nucleic acid sequence set forth in SEQ ID NO:10 under conditions of 5 X SSC at 65°C for 16 hours followed by one wash in 0.5 X SSC at 55°C for 30 minutes.

19-41. Canceled

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42. (New) An isolated, recombinant, geranyl diphosphate synthase large subunit protein of Claim 10 comprising the amino acid sequence set forth in SEQ ID NO:2.

43. (New) An isolated recombinant geranyl diphosphate synthase large subunit protein of Claim 10 comprising a transit peptide consisting of amino acids 1 through 40 of SEQ ID NO:2.

44. (New) An isolated recombinant geranyl diphosphate synthase protein of Claim 18 comprising the amino acid sequence set forth in SEQ ID NO.:11.